D:\>

```
dosseg
.model small
.stack 100h
.data
   var1 db 5
   var2 db 4
.code
main proc
    mov ax, @data
   mov ds,ax
       mov al, var1
   mov bl, var2
    add al,bl
    add cl,48
       mov dl,cl
    mov ah,2
       int 21h
   mov ah,4ch
   int 21h
main endp
end main
 D:\>D:\test
```

D:\>

```
dosseg
.model small
.stack 100h
.data
   var1 db 5
   var2 db 4
.code
main proc
    mov ax, @data
   mov ds,ax
       mov al, var1
   mov bl, var2
    sub al,bl
    add cl,48
       mov dl,cl
    mov ah,2
       int 21h
   mov ah,4ch
   int 21h
main endp
end main
  D:\>D:\test
```

```
dosseg
.model small
.stack 100h
.data
    var1 db 5
   var2 db 4
.code
main proc
   mov ax, @data
    mov ds,ax
    mov al, var1
    mov bl, var2
    AAM
    mov ch, ah
    mov cl,al
    add dl,48
    mov ah,2
    int 21h
    add dl,48
    mov ah,2
    int 21h
    mov ah,4ch
    int 21h
main endp
end main
```

```
-D:\>D:\test
20
D:\>_
```

Q.4.

```
dosseg
.model small
.stack 100h
.data
var1 db 6
var2 db 2
q db?
r db ?
.code
main proc
    mov ax, @data
   mov ds, ax
    mov al, var1
    mov bl, var2
    mov ah, 0
    div bl
    mov q, al
    mov r, ah
    add q,48
    add r,48
    mov dl, q
    int 21h
    mov dl, 10
    mov ah, 02h
    int 21h
    mov dl, 13
    mov ah, 02h
    int 21h
   mov ah, 2
```

```
int 21h

mov ah, 4Ch
int 21h

main endp
end main

D:\>D:\>D:\test
3
0
D:\>_
```

Q.5.

```
dosseg
.model small
.stack 100h
.data
string db "Arham",'$'
.code
main proc
    mov ax, @data
    mov ds, ax
    mov dx, offset string
    mov ah,9
    int 21h
    mov dl, lengthof string
    add dl,48
    mov ah,2
    int 21h
    mov dl, type string
    add dl,48
    mov ah,2
    int 21h
```

```
mov ah,4ch
int 21h

main endp
end main
```

C:\>hellonew.exe Arham61 C:\>